

## Wind Turbine – SD1209 – BUDGET

<u>Part</u>	<u>Quantity</u>	<u>Cost per unit</u>	<u>Projected Cost</u>	<u>Actual Cost</u>	<u>Notes</u>
Wind turbine – 400 W	1	\$305	\$305	\$305	Ebay
Solar Panel – 60 W	1	\$130	\$130	\$130	Ebay
Receiver	1	\$550+	\$550+	\$550+	Dr. Gou
12 V battery	1	\$100	\$100	\$0	ECE Dept.
PIC18F4620 microcontroller	1	\$85	\$85	\$0	Kevin
Test fan – 24 in.	1	\$251	\$251	\$0	ME Dept.
Air pressure sensors	2	\$14	\$28	\$0	ECE Dept.
		<b>Total</b>	<b>\$1449</b>	<b>\$985</b>	

**Solar Panel** – 2.5ft x 2.165ft x .1 ft

[http://www.ebay.com/itm/60W-12-VOLT-LOW-VOLTAGE-PV-SOLAR-CELLS-PANEL-FOR-HOME-RV-USE-12V-BATTERY-/190735672027?pt=LH\\_DefaultDomain\\_0&hash=item2c68bb62db](http://www.ebay.com/itm/60W-12-VOLT-LOW-VOLTAGE-PV-SOLAR-CELLS-PANEL-FOR-HOME-RV-USE-12V-BATTERY-/190735672027?pt=LH_DefaultDomain_0&hash=item2c68bb62db)

**Wind Turbine** – 400 Watt w/o controller, 1.16 meter diameter

[http://www.ebay.com/itm/400W-WATTS-MAX-12-24V-BLADE-OPTION-WIND-TURBINE-GENERATOR-KIT-ELECTRICITY-j-/221071470683?pt=LH\\_DefaultDomain\\_0&var=&hash=item3378e2f05b](http://www.ebay.com/itm/400W-WATTS-MAX-12-24V-BLADE-OPTION-WIND-TURBINE-GENERATOR-KIT-ELECTRICITY-j-/221071470683?pt=LH_DefaultDomain_0&var=&hash=item3378e2f05b)